BEHR
STAINS•VARNISHES•PAINTS

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name:	**Premium Plus Interior/Exterior Oil-Based Primer & Sealer**
Product Number:	434
Manufacturer Name:	BEHR Process Corporation
Address:	3400 W. Segerstrom Avenue
	Santa Ana CA 92704

U.S. Contact Info.:

Business Phone:	(714) 545-7101
Technical Service Phone:	(800) 854-0133 ext. 2
Business Fax:	(714) 241-1002

Canadian Contact Info.:

Business Phone:	(800) 661-1591
Technical Service Phone:	(800) 661-1591
Business Fax:	(800) 387-0019

For emergencies in the US, call CHEMTREC: 800-424-9300
In Canada, call CANUTEC: (613) 996-6666 (call collect)
Manufacturer MSDS Revision Date: 03/31/2005

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SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Product No. 434

Chemical Name	CAS#	Lower Percent	Upper Percent
Talc (powder), containing no asbestos fibers	14807-96-6	10	30
Light hydrotreated distillate (petroleum)	64742-47-8	5	10
Titanium dioxide	13463-67-7	5	10
Heavy Hydrotreated Naphtha (Petroleum)	64742-48-9	1	5
Mineral spirits	8052-41-3	1	5
Silicate, mica	12001-26-2	1	5
Solvent Naphtha (Petroleum), Light Aromatic	64742-95-6	1	5
Xylene	1330-20-7	0.1	1
Silica, crystalline - quartz	14808-60-7	0.1	1
Non-hazardous ingredients		10	30

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SECTION 3: HAZARDS IDENTIFICATION

Product No. 434

Emergency Overview:	Combustible. Irritant.

Applies to all Ingredients

Potential Health Effects:

Eye Contact:	May cause irritation.
Skin Contact:	May cause irritation.
Skin Absorption:	May be absorbed through the skin in harmful amounts.
Inhalation:	Prolonged or excessive inhalation may cause respiratory tract irritation.
Ingestion:	Harmful if swallowed. Ingestion can cause nausea, vomiting, diarrhea and gastrointestinal irritation.
Chronic Skin Contact:	Prolonged or repeated contact can result in defatting and drying of the skin, which may result in skin irritation and dermatitis (rash).
Chronic Inhalation:	Repeated or prolonged inhalation may cause toxic effects.
Target Organs:	Eyes. Skin. Respiratory system. Digestive system. Central nervous system. Kidney.
Signs/Symptoms:	Overexposure can cause headaches, dizziness, nausea, and vomiting.
Aggravation of Pre-Existing Conditions:	May aggravate pre-existing respiratory disorders, allergy, eczema, or skin conditions.

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SECTION 4: FIRST AID MEASURES

Product No. 434

Eye Contact:	Immediately flush eyes with plenty of water for 15 to 20 minutes. Get medical attention, if irritation or symptoms of overexposure persists.
Skin Contact:	Immediately wash skin with soap and plenty of water. Get medical attention if irritation develops or persists.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.
Ingestion:	If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.
Other First Aid:	Due to possible aspiration into the lungs, DO NOT induce vomiting if ingested. Provide a glass of water to dilute the material in the stomach. If vomiting occurs naturally, have the person lean forward to reduce the risk of aspiration.

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SECTION 5: FIRE FIGHTING MEASURES

Product No. 434

Fire:	Combustible liquid.
Flash Point:	104°F (40°C)
Flash Point Method:	TOC
Upper Flammable or Explosive Limit:	7%
Lower Flammable or Explosive Limit:	1%
Extinguishing Media:	Use alcohol foam, carbon dioxide, dry chemical, or water fog or spray when fighting fires involving this material.
Fire Fighting Instructions:	Combustible. Cool fire-exposed containers using water spray.
Protective Equipment:	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Unusual Fire Hazards:	Combustible liquid. At elevated temperatures, vapors can form an ignitable mixture with air. Vapors can flow along surfaces to distant ignition sources and flash back.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

Product No. 434

Personal Precautions:	Use proper personal protective equipment as listed in section 8.
Spill Cleanup Measures:	Remove all sources of ignition. Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Provide ventilation. Collect spill with a non-sparking tool. Place into a suitable container for disposal.

Environmental Precautions:	Avoid runoff into storm sewers, ditches, and waterways.

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SECTION 7: HANDLING AND STORAGE

Product No. 434

Handling:	Use with adequate ventilation. Avoid breathing vapor and contact with eyes, skin and clothing. Material will accumulate static charges which may cause an electrical spark (ignition source). Use proper grounding procedures.
Storage:	Store in a cool, dry, well ventilated area away from sources of heat, combustible materials, and incompatible substances. Keep container tightly closed when not in use.
Work Practices:	To reduce potential for static discharge, bond and ground containers when transferring material.
Hygiene Practices:	Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist.
Special Handling Procedures:	Do not reuse containers without proper cleaning or reconditioning.
Important Storage and Disposal:	DANGER! Rags, steel wool and waste soaked with this product may spontaneously catch fire if improperly discarded or stored. To avoid a spontaneous combustion fire, immediately after use, place rags, steel wool or waste in a sealed, water-filled, metal container. Do not store unused product inside the home. For disposal guidance, contact your household refuse collection service, fire department, county or state government environmental control agency.

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SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

Product No. 434

Engineering Controls:	Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.
Skin Protection Description:	Chemical-resistant gloves and chemical goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing.
Hand Protection Description:	Wear appropriate protective gloves. Consult glove manufacturer's data for permeability data.
Eye/Face Protection:	Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.
Respiratory Protection:	A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.
Other Protective:	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Ingredient Guidelines	Guideline Type	Guideline Information
Light hydrotreated distillate (petroleum)		
	ACGIH TLV-TWA	200 mg/m3 (Negligible aerosol exposures)
Mineral spirits		
	ACGIH TLV-TWA	100 ppm
	OSHA PEL-TWA	500 ppm
Silica, crystalline - quartz		

	ACGIH TLV-TWA	0.05 mg/m3 (Respirable)
	OSHA PEL-TWA	30 mg/m3

Silicate, mica

ACGIH TLV-TWA	3 mg/m3 (Respirable)
OSHA PEL-TWA	20 mg/m3

Talc (powder), containing no asbestos fibers

ACGIH TLV-TWA	2 mg/m3 (Respirable)
OSHA PEL-TWA	20 mg/m3

Titanium dioxide

ACGIH TLV-TWA	10 mg/m3
OSHA PEL-TWA	15 mg/m3

Xylene

ACGIH TLV-TWA	100 ppm
ACGIH TLV-STEL	150 ppm
OSHA PEL-TWA	100 ppm

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Product No. 434

Physical State/Appearance:	Liquid
pH:	No Data
Vapor Density:	Greater than 1 (Air = 1)
Density:	10 - 12 Lbs./gal.
Molecular Formula:	Mixture
Molecular Weight:	Mixture
Flash Point:	104°F (40°C)
VOC:	Material VOC: 351 gm/l (Includes Water) Coating VOC: 351 gm/l (Excludes Water)

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SECTION 10: STABILITY AND REACTIVITY

Product No. 434

Chemical Stability:	Stable under normal temperatures and pressures.
Conditions to Avoid:	Heat, flames, ignition sources, and sparks. Incompatible materials. Freezing or temperatures below 32 deg. F.
Incompatibilities with Other Materials:	Oxidizing agents. Strong acids and alkalis.
Hazardous Polymerization:	Not reported.
Hazardous Decomposition Products:	Incomplete combustion may produce carbon monoxide and other toxic gases.
Note	Refer to Section 7

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SECTION 11: TOXICOLOGICAL INFORMATION

Product No. 434

Light hydrotreated distillate (petroleum)

Mineral spirits

Eye Effect:	Eye - Rabbit; Standard Draize : 500 mg/24H; Moderate. (RTECS)
Ingestion Effects:	Ingestion - Rat LD: >5 gm/kg; Behavioral - somnolence (general depressed activity) (RTECS)
Inhalation Effects:	Inhalation - Rat LCLo: 8200 mg/m3/8H; Behavioral - tremor Inhalation - Rat LC: >5500 mg/m3/4H; Behavioral - somnolence (general

depressed activity) (RTECS)

Silicate, mica

Solvent Naphtha (Petroleum), Light Aromatic

Eye Effect:	Eye - Rabbit; Standard Draize : 100 uL/24H; Mild. (RTECS)
Ingestion Effects:	Ingestion - Rat LD50: 8400 mg/kg; Behavioral - somnolence (general depressed activity) Behavioral - tremor Lungs, Thorax, or Respiration - other changes (RTECS)

Silica, crystalline - quartz

Ingestion Effects:	Ingestion - Rat TDLo: 120 gm/kg; Gastrointestinal - hypermotility, diarrhea Gastrointestinal - other changes (RTECS)
Inhalation Effects:	Inhalation - Rat TCLo: 200 mg/kg; Lungs, Thorax, or Respiration - fibrosis, focal (pneumoconiosis) Lungs, Thorax, or Respiration - other changes Nutritional and Gross Metabolic - changes in iron (RTECS)
Carcinogenicity:	IARC: Group 1: Carcinogenic to humans NTP: Reasonably anticipated to be a human carcinogen

Talc (powder), containing no asbestos fibers

Carcinogenicity:	IARC: Group 3: Unclassifiable as to carcinogenicity to humans

Titanium dioxide

Skin Effects:	Skin - Rabbit; Standard Draize : 300 ug/3D; (Intermittent) Mild. (RTECS)
Ingestion Effects:	Ingestion - Rat TDLo: 60 gm/kg; Gastrointestinal - hypermotility, diarrhea Gastrointestinal - other changes . (RTECS)
Carcinogenicity:	IARC: Group 3: Unclassifiable as to carcinogenicity to humans

Xylene

Eye Effect:	Eye - Rabbit; Standard Draize : 87 mg; Mild. Eye - Rabbit; Standard Draize : 5 mg/24H; Severe. (RTECS)
Skin Effects:	Skin - Rabbit; Standard Draize : 100%; Moderate. Skin - Rabbit; Standard Draize : 500 mg/24H; Moderate. (RTECS)
Ingestion Effects:	Ingestion - Rat LD50: 4300 mg/kg; Liver - other changes Kidney, Ureter, Bladder - other changes Ingestion - Mouse LD50: 2119 mg/kg; Details of toxic effects not reported other than lethal dose value (RTECS)
Inhalation Effects:	Inhalation - Rat LC50: 5000 ppm/4H; Details of toxic effects not reported other than lethal dose value (RTECS)
Carcinogenicity:	IARC: Group 3: Unclassifiable as to carcinogenicity to humans

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SECTION 12: ECOLOGICAL INFORMATION

Product No. 434

Ecotoxicity:	No ecotoxicity data was found for the product.
Environmental Fate:	No environmental information found for this product.

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SECTION 13: DISPOSAL CONSIDERATIONS

Product No. 434

Waste Disposal:	Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines.
Important Disposal Information:	DANGER! Rags, steel wool and waste soaked with this product may spontaneously catch fire if improperly discarded or stored. To avoid a spontaneous combustion fire, immediately after use, place rags, steel wool or waste in a sealed, water-filled, metal container. Do not store unused product inside the home. For disposal guidance, contact your household refuse collection service, fire department, county or state government environmental control agency.

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SECTION 14: TRANSPORT INFORMATION

Product No. 434

DOT Shipping Name:	Paint.
DOT UN Number:	No Data
DOT Hazard Class:	3
DOT Identification Number:	UN1263
DOT Packing Group:	III
DOT Packing Authorization:	3

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SECTION 15: REGULATORY INFORMATION

Product No. 434

Heavy Hydrotreated Naphtha (Petroleum)

TSCA 8(b): Inventory Status:	Listed
Canada DSL:	Listed

Light hydrotreated distillate (petroleum)

TSCA 8(b): Inventory Status:	Listed
Canada DSL:	Listed

Mineral spirits

TSCA 8(b): Inventory Status:	Listed
State:	Listed in the New Jersey State Right to Know list. Listed in the Pennysalvania Hazardous Subsatnces list.
Canada DSL:	Listed

Non-hazardous ingredients

State:	Contains calcium carbonate (CAS:1317-65-3), which is listed in the TSCA inventory.

Silicate, mica

TSCA 8(b): Inventory Status:	Not listed
State:	Listed in the New Jersey State Right to Know list. Listed in the Pennysalvania Hazardous Subsatnces list.
Canada DSL:	Listed

Solvent Naphtha (Petroleum), Light Aromatic

TSCA 8(b): Inventory Status:	Listed
Canada DSL:	Listed

Silica, crystalline - quartz

TSCA 8(b): Inventory Status:	Listed
State:	Listed in the New Jersey State Right to Know list. Listed in the Pennysalvania Hazardous Subsatnces list.
Canada DSL:	Listed

Talc (powder), containing no asbestos fibers

TSCA 8(b): Inventory Status:	Listed
State:	Listed in the New Jersey State Right to Know list. Listed in the Pennysalvania Hazardous Subsatnces list.
Canada DSL:	Listed

Titanium dioxide

TSCA 8(b): Inventory Status:	Listed
State:	Listed in the New Jersey State Right to Know list. Listed in the Pennysalvania Hazardous Subsatnces list.
Canada DSL:	Listed

Xylene

TSCA 8(b): Inventory Status:	Listed
State:	Listed in the New Jersey State Right to Know list. Listed in the Pennysalvania Hazardous Subsatnces list.
Canada DSL:	Listed
Proposition 65:	WARNING: This product contains a chemical known to the state of California to cause cancer and birth defects or other reproductive harm.

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SECTION 16: ADDITIONAL INFORMATION

Product No. 434

MSDS Preparation Date: 03/31/2005

MSDS Revision Date: 03/31/2005

MSDS Author: Actio Corporation

Disclaimer:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific materials designated. Refer to individual product safety Data sheets when using more than one product in combination with another.

References:

1. OSHA Hazard Communication Standard, 1910.1200 and Z Tables.
2. NIOSH Registry of Toxic Effects of Chemical Substances (RTECS) and Pocket Guide to Chemical Hazards.
3. Sax Dangerous Properties of Industrial Materials. Tenth Edition.
4.Hawleys Condensed Chemical Dictionary, Thirteenth Edition
5. IARC monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Man, WHO International Research on Cancer, 2004.
6. Industrial Hygiene and Toxicology, by F.A. Patty.
7. National Library of Medicine, Department of Health and Human Services, Hazardous Substances Data Bank (HSDB).
8. National Toxicology Program (NTP) Tenth Report on Carcinogens, 2002.
9. Brethericks Reactive Chemical Hazards Database. Version 2.
10. Gassarett and Doulls Toxicology, The Basic Science of Poisons.
11. The Merck Index: An Encyclopedia of Chemicals and Drugs. Merck and Company. Twelfth Edition 1998.
12. Threshold Limit Values for Chemical Substances and Physical Agents in the Work Environmental and Biological Exposure Indices. TLV Booklet, 2003.

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